

1-4-95  
12-3-8 v. 6



Date Issued: 01-04-98  
Supersedes: 11-30-94

TEXACO  
MATERIAL SAFETY DATA SHEET

NOTE: Read and understand Material Safety Data Sheet before handling or disposing of product.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY

Product Code and Name:  
02905 NOVATEX GREASE EP 2  
Chemical Name and/or Family or Description:  
Industrial Greases

Manufacturer's Name and Address:  
TEXACO LUBRICANTS COMPANY  
A DIVISION OF TEXACO REFINING AND MARKETING INC.  
P.O. Box 4427  
Houston, TX 77210-4427

Telephone Numbers:  
Transportation Emergency-Company : (914) 831-3400  
CHEMTREC : (800) 424-9300  
Health Emergency -Company : (914) 831-3400  
General MSDS Assistance : (914) 838-7204  
Technical Information -Fuels : (914) 838-7336  
-Chemical : (512) 459-6543  
-Lubricant/ : (800) 782-7852  
Antifreezes  
-Additives : (713) 235-6278  
-Solvents : (800) 876-3738

2. COMPOSITION/INFORMATION ON INGREDIENTS

THE CRITERIA FOR LISTING COMPONENTS IN THE COMPOSITION SECTION IS AS FOLLOWS:  
CARCINOGENS ARE LISTED WHEN PRESENT AT 0.1 % OR GREATER; COMPONENTS WHICH ARE  
OTHERWISE HAZARDOUS ACCORDING TO OSHA ARE LISTED WHEN PRESENT AT 1.0 % OR  
GREATER; NON-HAZARDOUS COMPONENTS ARE LISTED AT 3.0 % OR GREATER. THIS IS NOT  
INTENDED TO BE A COMPLETE COMPOSITIONAL DISCLOSURE. REFER TO SECTION 14 FOR  
APPLICABLE STATES' RIGHT TO KNOW AND OTHER REGULATORY INFORMATION.

Product and/or Component(s) Carcinogenic According to:  
OSHA IARC NTP OTHER NONE  
- - - - X

Composition: (Sequence Number and Chemical Name)		CAS Number	Range in %
Seq.	Chemical Name		
01	Hydrotreated heavy naphthenic petroleum distillates	64742-52-5	65.00-79.99
02	Calcium 12-hydroxystearate	3159-62-4	3.00-9.99
03	Hydrotreated light naphthenic petroleum distillates	64742-53-6	3.00-9.99
04	Asphalt	8032-42-4	1.00-2.90
05	Zinc dialkyldithiophosphate	68649-42-3	1.00-2.89

PRODUCT IS NON-HAZARDOUS ACCORDING TO OSHA (1910.1200).  
\* COMPONENT IS HAZARDOUS ACCORDING TO OSHA.  
# COMPONENT, BY DEFINITION, IS CONSIDERED HAZARDOUS ACCORDING TO OSHA  
BECAUSE IT CARRIES THE PERMISSIBLE EXPOSURE LIMIT (PEL) FOR MINERAL OIL  
MIST.

Exposure Limits referenced by Sequence Number in the Composition Section

Seq.	Limit
01	5 mg/m3 TWA-OSHA (MINERAL OIL MIST)
01	5 mg/m3 TWA-ACGIH (MINERAL OIL MIST)
01	10 mg/m3 STEL ACGIH (MINERAL OIL MIST)
03	5 mg/m3 TWA-OSHA (MINERAL OIL MIST)
03	5 mg/m3 TWA-ACGIH (MINERAL OIL MIST)
03	10 mg/m3 STEL ACGIH (MINERAL OIL MIST)
04	8.0 mg/m3 TWA-ACGIH-(FUME)





PRODUCT CODE: 02906  
NAME: NOVATEX GREASE EP 2

Date Issued: 01-04-85  
Supersedes: 11-30-84

### 3. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

Appearance:  
Black buttery substance  
Odor:  
Odorless

#### WARNING STATEMENT

NONE CONSIDERED NECESSARY

HMIS		NFPA	
Health: 0	Reactivity: 0	Health: 0	Reactivity: 0
Flammability: 1	Special: -	Flammability: 1	Special: -

#### POTENTIAL HEALTH EFFECTS

	EYE	SKIN	INHALATION	INGESTION
Primary Route of Exposure:	X	X	-	-

#### EFFECTS OF OVEREXPOSURE

##### Acute:

##### Eyes:

May cause minimal irritation, experienced as temporary discomfort.

##### Skin:

Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, such as local redness with possible mild discomfort.

Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact; see other effects, below, and Section 11 for information regarding potential long term effects.

##### Inhalation:

Product not volatile at ambient temperatures. Vapors or mist in high concentrations, as generated from spraying or heating in an enclosed space, may cause minimal irritation.

##### Ingestion:

If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

##### Sensitization Properties:

Unknown.

##### Chronic:

No adverse effects have been documented in humans as a result of chronic exposure. Section 11 may contain applicable animal data.

##### Medical Conditions Aggravated by Exposure:

Because of its defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).

##### Other Remarks:

Material from high pressure equipment, pinhole leaks, or high pressure line failure can penetrate the skin and, if not properly treated, can cause severe injury, including disfigurement, loss of function, or even require amputation of the affected area. To prevent such serious injury, immediate medical attention should be sought even if the injection injury appears to be minor.

When overheated, product may release hydrogen sulfide (H<sub>2</sub>S) gas. H<sub>2</sub>S concentrations above permissible concentrations can cause irritation of the eyes and respiratory tract, headache, dizziness, nausea, vomiting, diarrhea and pulmonary edema. At concentrations above 300 ppm, respiratory paralysis, causing unconsciousness and death, can occur.

### 4. FIRST AID MEASURES

#### Eyes:

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

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N.O. - NOT DETERMINED  
< - LESS THAN

N.A. - NOT APPLICABLE  
> - GREATER THAN

N.T. - NOT TESTED



PRODUCT CODE: 02905  
NAME: NOVATEX GREASE EP 2

Date Issued: 01-04-95  
Supersedes: 11-30-94

#### 4. FIRST AID MEASURES (CONT)

**Skin:**

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

**Ingestion:**

If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.

**Inhalation:**

If irritation, headache, or drowsiness occurs, remove to fresh air.

**Other Instructions:**

High pressure injection of material can cause severe injury. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or may require amputation of the affected area.

Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

#### 5. FIRE-FIGHTING MEASURES

**Ignition Temperature (degrees F):**

Not determined.

**Flash Point (degrees F):**

Not determined.

**Flammable Limits (%):**

Lower: Not determined.

Upper: Not determined.

**Recommended Fire Extinguishing Agents And Special Procedures:**

Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

**Unusual or Explosive Hazards:**

Hydrogen sulfide (H<sub>2</sub>S) may be released if overheated.

**Special Protective Equipment for Firefighters:**

No special equipment or procedures required.

#### 6. ACCIDENTAL RELEASE MEASURES (Transportation Spills: CHEMTREC (800)424-9300)

**Procedures in Case of Accidental Release, Breakage or Leakage:**

Contain spill if possible, contain with absorbent materials such as clay or soil, and shovel up. Avoid skin and eye contact.

#### 7. HANDLING AND STORAGE

**Precautions to be Taken in**

**Handling:**

Minimum feasible handling temperatures should be maintained.

**Storage:**

Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Protective Equipment (Type)**

**Eye/Face Protection:**

Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

**Skin Protection:**

Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

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PRODUCT CODE: 02805  
NAME: NOVATEX GREASE EP 2

Date Issued: 01-04-88  
Supersedes: 11-30-84

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT)

##### Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

##### Ventilation:

Adequate to meet component occupational exposure limits (see Section 2).

##### Exposure Limit for Total Product:

None established for product; refer to Section 2 for component exposure limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Appearance:

Black buttery substance

##### Odor:

Odorless

##### Boiling Point (degrees F):

Not determined.

##### Melting/Freezing point (degrees F):

Not applicable.

##### Specific Gravity (water=1):

Not determined.

☒ pH of undiluted product:  
Not applicable.

##### Vapor Pressure:

< .1 mmHg

##### Viscosity:

Not determined.

##### VOC Content:

Not determined.

##### Vapor Density (air=1):

Not applicable.

##### Solubility in Water (%):

< .1

Other: None

#### 10. STABILITY AND REACTIVITY

##### This Material Reacts Violently With:

(If Others is checked below, see comments for details)

Air Water Heat Strong Oxidizers Others None of These

##### Comments:

Under extreme temperatures or extended storage periods, hydrogen sulfide (H<sub>2</sub>S) gas may accumulate in the head-space of container.

##### Products Evolved When Subjected to Heat or Combustion:

Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones, and combustion products or compounds of calcium, phosphorus, sulfur (may include hydrogen sulfide), zinc.

Hazardous Polymerizations: DO NOT OCCUR

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AGC2G000038



PRODUCT CODE: 02905  
NAME: NOVATEX GREASE EP 2

Date Issued: 01-04-85  
Supersedes: 11-30-84

# 11. TOXICOLOGICAL INFORMATION

## TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

### Median Lethal Dose

#### Oral:

LD50 Believed to be > 5.00 g/kg (rat) practically non-toxic

#### Inhalation:

Not determined.

#### Dermal:

LD50 Believed to be > 3.00 g/kg (rabbit) practically non-toxic

### Irritation Index, Estimation of Irritation (Species)

#### Skin:

(Draize) Believed to be < .50 /8.0 (rabbit) no appreciable effect

#### Eyes:

(Draize) Believed to be < 15.00 /110 (rabbit) no appreciable effect

#### Sensitization:

Not determined.

#### Other:

Some low viscosity naphthenic oils have caused skin irritation and skin tumors in laboratory animals when repeatedly applied and left in place between applications. The significance of this effect to humans has not been established.

# 12. DISPOSAL CONSIDERATIONS

## Waste Disposal Methods

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

### Remarks

None

# 13. TRANSPORT INFORMATION

## Transportation

### DOT:

Proper Shipping Name:  
Not regulated

### IMDG:

Proper Shipping Name:  
Not evaluated

### ICAO:

Proper Shipping Name:  
Not evaluated

### TDG:

Proper Shipping Name:  
Not evaluated

# 14. REGULATORY INFORMATION

## Federal Regulations:

### SARA Title III:

#### Section 302/304 Extremely Hazardous Substances

Seq. Chemical Name CAS Number Range in %

None

#### Section 302/304 Extremely Hazardous Substances (CONT)

Seq. TPQ RQ

None

### Section 311 Hazardous Categorization:

Acute	Chronic	Fire	Pressure	Reactive	N/A
-	-	-	-	-	X

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PRODUCT CODE: 02805  
NAME: NOVATEX GREASE EP 2

Date Issued: 01-04-86  
Supersedes: 11-30-94

#### 14. REGULATORY INFORMATION (CONT)

##### Section 313 Toxic Chemical

Chemical Name	CAS Number	Concentration
Zinc dialkylidithiophosphate	68649-42-3	1.00-2.99

##### CERCLA 102(a)/DOT Hazardous Substances: (+ indicates DOT Hazardous Substance)

Seq. Chemical Name	CAS Number	Range in %
None		

##### CERCLA/DOT Hazardous Substances (Sequence Numbers and RQ's):

Seq. RQ
None

##### TSCA Inventory Status:

This product is listed on the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

##### Other:

None.

##### State Regulations:

###### California Proposition 65:

The following detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity.

Chemical Name	CAS Number
None	

##### States Right-to-know Regulations:

Chemical Name	State Right-to-know
Zinc dialkylidithiophosphate	CT, IL, LA, NJ, MI
Isopropyl alcohol	CT, FL, IL, LA, NJ, PA, RI
Asphalt	CT, FL, IL, LA, NJ, PA, RI

State list: CT (Connecticut), FL (Florida), IL (Illinois), MI (Michigan)  
LA (Louisiana), MA (Massachusetts), NJ (New Jersey),  
PA (Pennsylvania), RI (Rhode Island),

##### International Regulations:

###### Export Notification (TSCA-12b):

This product may be subject to export notification under TSCA section 12(b); contains:  
Isopropyl alcohol

##### WHMIS Classification:

Not determined

##### Canada Inventory Status:

N.D.

##### EINECS Inventory Status:

N.D.

##### Australia Inventory Status:

N.D.

##### Japan Inventory Status:

N.D.

#### 15. ENVIRONMENTAL INFORMATION

##### Aquatic Toxicity:

Not determined.

##### Mobility:

Not determined.

##### Persistence and Biodegradability:

Not determined.

##### Potential to Bioaccumulate:

Not evaluated.

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PRODUCT CODE: 02808  
NAME: NOVATEX GREASE EP 2

Date Issued: 01-04-95  
Supersedes: 11-30-94

#### 15. ENVIRONMENTAL INFORMATION (CONT)

Remarks:  
Not evaluated.

#### 16. OTHER INFORMATION

None

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF TEXACO'S PRODUCT SAFETY PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL TEXACO PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL TEXACO PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, USER SHOULD CONSULT HIS LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. TEXACO DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

Since the last mailing for this customer code, the following sections have been revised:  
2, 16, 17.

Date: 01-04-95      New    ☒    Revised, Supersedes: 11-30-94  
Date printed: 01-16-95

Inquiries regarding MSDS should be directed to:  
Texaco Inc.  
Manager, Product Safety  
P.O. Box 509  
Beacon, N.Y. 12508

PLEASE SEE NEXT PAGE FOR PRODUCT LABEL

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N.T. - NOT TESTED

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PRODUCT CODE: 02905  
NAME: NOVATEX GREASE EP 2

Date Issued: 01-04-85  
Supersedes: 11-30-84

# 17. PRODUCT LABEL

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.

02905 NOVATEX GREASE EP 2

## WARNING STATEMENT

NONE CONSIDERED NECESSARY

## PRECAUTIONARY MEASURES

- Avoid prolonged breathing of vapor, mist, or gas.
- Workers should wash exposed skin several times daily with soap and water.

## FIRST AID

### Eye Contact:

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

### Skin Contact:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

### Ingestion:

If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.

### Inhalation:

If irritation, headache, or drowsiness occurs, remove to fresh air.

### Note to Physician:

High pressure injection of material can cause severe injury. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or may require amputation of the affected area.

## FIRE

In case of fire, use water spray, dry chemical, foam or carbon dioxide. Water may cause frothing. Use water spray to cool fire-exposed containers.

Chemical Name	CAS Number	Range in %
Hydrotreated heavy naphthenic petroleum distillates	64742-52-5	65.00-79.99
Calcium 12-hydroxystearate	3158-62-4	3.00-9.99
Hydrotreated light naphthenic petroleum distillates	64742-53-6	3.00-9.99
Asphalt	8052-42-4	1.00-2.99
Zinc dialkyl(dithiophosphato	68649-42-3	1.00-2.99

PRODUCT IS NON HAZARDOUS ACCORDING TO OSHA (1910.1200).

\* COMPONENT IS HAZARDOUS ACCORDING TO OSHA.

\* COMPONENT, BY DEFINITION, IS CONSIDERED HAZARDOUS ACCORDING TO OSHA BECAUSE IT CARRIES THE PERMISSIBLE EXPOSURE LIMIT (PEL) FOR MINERAL OIL MIST.

Pennsylvania Special Hazardous Substance(s)	CAS Number	Range in %
None		

HMIS		NFPA	
Health: 0	Reactivity: 0	Health: 0	Reactivity: 0
Flammability: 1	Special: -	Flammability: 1	Special: -

## Transportation

DOT:

Proper Shipping Name:  
Not regulated

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

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N.T. - NOT TESTED





PRODUCT CODE: 02908  
NAME: NOVATEX GREASE EP 2

Date Issued: 01-04-95  
Supersedes: 11-30-94

17. PRODUCT LABEL (CONT)

Manufacturer's Name and Address:  
TEXACO LUBRICANTS COMPANY  
A DIVISION OF TEXACO REFINING AND MARKETING INC.  
P.O. Box 4427  
Houston, TX 77210-4427

TRANSPORTATION EMERGENCY Company: (814) 831-3400  
CHEMTREC: (800) 424-9300

HEALTH EMERGENCY Company: (914) 831-3400